PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 58914WO009	FOR FURTHER ACTION	See item 4 below
International application No. PCT/US2004/028021	International Filing date (day/month/year) 27 August 2004 (27.08.2004)	Priority date (day/month/year) 27 August 2003 (27.08.2003)
International Patent Classification (8th See relevant information in Form P		
Applicant 3M INNOVATIVE PROPERTIES C	COMPANY	

1.	This international preliminary re International Searching Authorit	port on patentability (Chapter I) is issued by the International Bureau on behalf of the y under Rule 44 bis. 1(a).
2.	In the attached sheets, any refere	of 4 sheets, including this cover sheet. nce to the written opinion of the International Searching Authority should be read as a reference eport on patentability (Chapter I) instead.
3.	This report contains indications i	relating to the following items:
	Box No. 1	Basis of the report
	Box No. II	Priority
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
	Box No. IV	Lack of unity of invention
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	Box No. VI	Certain documents cited
	Box No. VII	Certain defects in the international application
	Box No. VIII	Certain observations on the international application
4.		mmunicate this report to designated Offices in accordance with Rules 44 <i>bis.</i> 3(c) and 93 <i>bis.</i> 1 but nakes an express request under Article 23(2), before the expiration of 30 months from the priority

	Date of issuance of this report 27 February 2006 (27.02.2006)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Simin Baharlou
Facsimile No. +41 22 740 14 35	Telephone No. +41 22 338 71 30

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

2005

INTERNAT	TIONAL SEARCE	HING AUTH	ORITY				
To: DEAN A.	ERSFELD				PCT	REC'D 07	FEB 2005
POST OF	OF INTELLECTU FICE BOX 33427 AUL, MN 55133	7	CLY COUNSEL		ITTEN OPINION OF DNAL SEARCHING A		PCT
					(PCT Rule 43bis.1)		
				Date of mailing (day/month/year)	03 FEB 2005	•	
Applicant	's or agent's file r	eference		FOR FURTHER	ACTION See paragraph 2 below		
58914WO					•		
Internation	nal application No).	International filing date (day/month/year)	Priority date (day/month/y	ear)	
PCT/US04 Internation		cation (IPC)	27 August 2004 (27.08.2 or both national classificati	004) on and IPC	27 August 2003 (27.08.20	03)	_
IPC(7): A	61K 31/4745, 31/	5377 ; C07D	471/04, 413/14 and US Cl.	: 514/293, 232.8 ; 54	6/82 ; 544/126		
	VATIVE PROPE	RTIES COM	PANY				
1. This o	opinion contains in	ndications rel	ating to the following items	s:			
	Box No. I	Basis of the	opinion				
	Box No. II	Priority					
	Box No. III	Non-establi	shment of opinion with reg	gard to novelty, inven	tive step and industrial appl	licability	
	Box No. IV		ty of invention			·	
	Box No. V	Reasoned stapplicability	tatement under Rule 43bis. y; citations and explanation	l(a)(i) with regard to as supporting such sta	novelty, inventive step or i	ndustrial	
	Box No. VI	Certain doe	uments eited				
	Box No. VII	Certain defe	ects in the international app	lication			
	Box No. VIII	Certain obs	ervations on the internation	al application			
1	THER ACTIO						
Intern Autho	ational Prelimina rity other than th	ry Examinin is one to be t	g Authority ("IPEA") ex-	eept that this does PEA has notified the	be considered to be a writt not apply where the appl e International Bureau under red.	icant chooses a	n Ì
IPEA of For	a written reply to m PCT/ISA/220 o	gether, where or before the	e appropriate, with amendrexpiration of 22 months fro	nents, before the exp	EA, the applicant is invited paration of 3 months from the whichever expires later.	I to submit to the date of mailing	e g
For fu	rther options, see	Form PCT/IS	8A/220.				
3. For fu	rther details, see r	notes to Form	PCT/ISA/220.				
Name and	mailing address o	f the ISA/ US		Authorized officer	San la la Ahad	ton 1-	_
V	Mail Stop PCT, Attn Commissioner for Pa	: ISA/US		Cecilia Tsang	Smiletshit	and the	
F	2.O. Box 1450 Alexandria, Virginia			Telephone No. (76	03)308-1235		
	No. (703) 305-323	30		1	00,000-1200		

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/28021

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
·
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
·
Form PCT/ISA/237(Box No. 1) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/28021

Inventive step (IS) Claims NONE Claims 1-54 Claims NONE Industrial applicability (IA) Claims 1-54 Claims NONE NONE NONE Claims NONE NONE Claims 1-54 Claims NONE NONE NONE Citations and explanations: ims 1-54 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the instant inpounds of formulae I, II, III, VII, IX and XI, pharmaceutical compositions containing these compounds and a method of using	Statement		
Inventive step (IS) Claims NONE Claims 1-54 Claims NONE Industrial applicability (IA) Claims 1-54 Claims NONE Industrial applicability (IA) Claims NONE Claims NONE NONE Citations and explanations: ims 1-54 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the instant inpounds of formulae I, II, III, VII, IX and XI, pharmaceutical compositions containing these compounds and a method of using inpounds.	Novelty (N)	Claims 1-54	YI
Industrial applicability (IA) Claims NONE Claims NONE Claims NONE Claims NONE Citations and explanations: ims 1-54 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the instant inpounds of formulae I, II, III, VII, IX and XI, pharmaceutical compositions containing these compounds and a method of using inpounds.	. ,		
Industrial applicability (IA) Claims NONE Claims NONE Claims NONE Claims NONE Citations and explanations: ims 1-54 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the instant inpounds of formulae I, II, III, VII, IX and XI, pharmaceutical compositions containing these compounds and a method of using inpounds.	Inventive step (IS)	Claims 1-54	YI
Claims NONE Citations and explanations: ims 1-54 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the instant inpounds of formulae I, II, III, VII, IX and XI, pharmaceutical compositions containing these compounds and a method of using inpounds. ims 1-54 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed			
Claims NONE Citations and explanations: ims 1-54 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the instant inpounds of formulae I, II, III, VII, IX and XI, pharmaceutical compositions containing these compounds and a method of using inpounds. ims 1-54 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed	Industrial applicability (IA)	Claims 1-54	YI
ims 1-54 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the instant inpounds of formulae I, II, III, VII, IX and XI, pharmaceutical compositions containing these compounds and a method of using inpounds. ims 1-54 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed			
ims 1-54 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the instant apounds of formulae I, II, III, VII, IX and XI, pharmaceutical compositions containing these compounds and a method of using apounds. ims 1-54 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed	The discount of the discount o	——————————————————————————————————————	
ims 1-54 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed made or used in industry.	ims 1-54 meet the criteria set out in PCT Article	e 33(2)-(3), because the prior art does not teach on armaceutical compositions containing these compositions.	r fairly suggest the instant spounds and a method of using t
made or used in industry.	nims 1-54 meet the criteria set out in PCT Article	e 33(4), and thus have industrial applicability bec	ause the subject matter claimed
	made or used in industry.		